

F-16 Transparencies & Canopy Dry Seals

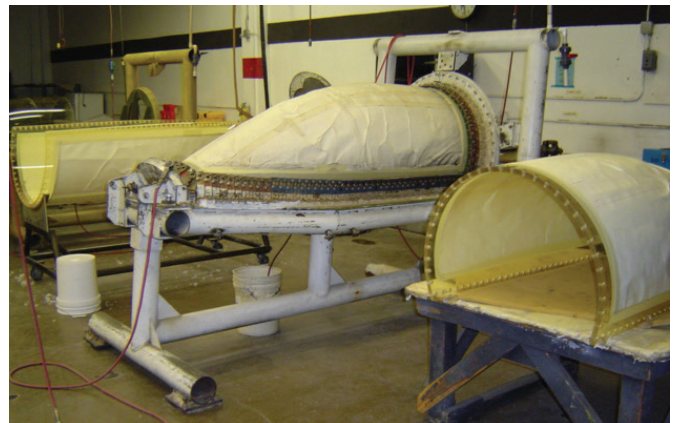


PPG raised the technology level of the transparency with the wraparound canopy, originally designed and built for the F-16.



Still one of PPG's premier products today, the F-16 canopy has set the industry standard for product excellence and has contributed to both PPG's superior reputation in the world-wide F-16 community and the F-16's dominant position in the fighter aircraft market.

The US Air Force buys 550 Knot Canopies. The 550 Knot Canopy deflects a 4lb bird at 550 knots and has same form and fit to the 350 Knot Canopy. In certain instances, depending on the damage, PPG canopies can be repaired. (Specifically coating systems which allow PPG to strip and recoat).



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F-16 TRANSPARENCIES

Superior quality, technology, and performance for F-16 operators world-wide.

SUPERIOR DESIGN

PPG F-16 transparencies are designed to meet or exceed all operator performance requirements. Superior cross-section designs provide the increased bird-strike protection associated with PPG transparencies, some of which will withstand the impact of a 4-pound (1.8kg) bird at 550 knots. Sophisticated coating systems provide optimum light transmission profiles, environmental durability, and other advantageous characteristics.

AS9100 QUALITY & PRECISION MANUFACTURING

These high-quality F-16 transparencies are manufactured at PPG's AS9100-certified Texas facility. Precision tooling and manufacturing techniques ensure that PPG transparencies are fully interchangeable, resulting in predictable change-out experience for field personnel.

F-16 CANOPY DRY SEALS

Innovative dry seals for increased readiness, lower life cycle cost.

PRESSURE SEAL

PPG's dry seal system pressure seal is installed between the canopy frame and transparency to establish an airtight seal. It eliminates the need for wet sealant between the frame and transparency.

TSI PN	NOMENCLATURE	DESCRIPTION	NSN
5004550-09	F16ACFIE550	F-16 A/C FWD ITO/ESD 550KT	1560-01-462-2040WF
5004550-11	F16ACFC550	F-16 A/C FWD CLEAR 550KT	1560-01-462-4551WF
5002237-03	F16ACAC	F-16 A/C AFT CLEAR	1560-01-113-9483WF
5003139-03	F16ACAI	F-16 A/C AFT ITO SOLAR	1560-01-359-2902WF
5006550-01	F16BDFC550	F-16 B/D FWD CLEAR 550KT	1560-01-497-6599WF
5006550-03	F16BDFIE550	F-16 B/D FWD ITO/ESD 550KT	1560-01-497-5956WF
5004270-01	F16BDAC550	F-16 B/D AFT CLEAR 550KT	1560-01-497-5959WF
5004270-03	F16BDAI550	F-16 B/D AFT ITO 550KT	1560-01-497-5078WF

TSI PN	DESCRIPTION	SN
5003825-10	A/C FWD PRESSURE SEAL	5330-01-351-2120WF
5003826-01	A/C AFT PRESSURE SEAL	5330-01-351-2121WF
5003827-10	B/D FWD PRESSURE SEAL	5330-01-351-2122WF
5003828-10	B/D AFT PRESSURE SEAL	5330-01-351-2123WF
5003864-03	A/C CONDUCTIVE FAIRING SEAL	5330-01-353-7225WF
5003864-07	B/D FWD CONDUCTIVE FAIRING SEAL	5330-NC-E50-1084WF
5003864-09	B/D AFT CONDUCTIVE FAIRING SEAL	5330-NC-E50-1085WF
5003864-01	CONDUCTIVE FAIRING SEAL ROLL (50 FT.)	5330-01-353-7224WF
5004176-30	A/B FWD NOSE COVER	1560-01-437-5665WF
5004176-10	C/D FWD NOSE COVER	1560-01-420-9453WF

Authorization for use and ordering information is contained in the F-16 Technical Order (T.O.) and Illustrated Parts Book (IPB) associated with the F-16 canopy.



FAIRING SEAL

The fairing seal is installed atop the aluminum canopy fairing, and provides a seal against rain and water. Because the fairing seal is manufactured from special conductive material, it also provides a secondary channel for the dissipation of electrostatic charge when used in conjunction with PPG's ESD-coated transparencies.

FORWARD NOSE COVER

The forward nose cover protects the nose of the canopy transparency and the forward ends of the fairing seals. By resisting aerodynamic forces, the forward nose cover prevents potential damage to the leading edge of the transparency coating as well as the fairing seals.